

# Richmond Refinery LPS Alert – Safety



## FCC Bottoms System – Operator Injury



**IMPACT #:** 503

**Location:** FCC

**Contact Information:**

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**Reference:**

Information

### Incident Description:

Two FCC Operators were splashed with a mixture of fractionator bottoms and steam/condensate during the planned FCC turnaround cleanup activities on Sunday night (October 17th). One employee received injuries that required first aid treatment by the clinic and was released back to work. The other employee sustained 1<sup>st</sup> and 2<sup>nd</sup> degree burns on his lower legs. He is currently receiving medical treatment at the Saint Francis burn unit in San Francisco.

The event occurred while the operators were removing a coke bucket/strainer from a coke/catalyst knock-out pot on the main fractionators bottoms circulation system.

A TapRooT investigation is in progress.

### Immediate Actions Taken:

1. A safety stand-down was held after the system was secured.
2. Other turnaround areas are being reviewed to ensure we don't have exposures to a similar incident.

### What You Can Do:

1. Perform a LPSA before each task – think about “line of fire”, obstructions to movement, and other hazards that you might have become accustomed to. Assess those hazards and take the necessary steps to ensure the job can be performed safely.
2. Its worth noting that you can increase thermal protection by wearing full length undergarments (like cottons jeans and a long sleeve cotton shirt) which results in a layering effect that produces an “air gap”. Wearing a Nomex jacket on top of your coveralls also provides additional thermal protection. Clothing worn under your coveralls should be of natural materials (cotton, silk or wool).

Ask yourself if your working conditions allow you to use this layer effect for your protection without any unintended consequences (e.g. over heating).

***Always remember to do your LPSA – because we care about you!***

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## LOSS PREVENTION SELF-ASSESSMENT

**BEFORE BEGINNING ANY ACTIVITY/TASK/JOB, AFTER A LOSS OR NEAR LOSS, ANY UNUSUAL CIRCUMSTANCES:**



### **ASSESS** the risk!

What could go wrong?  
What is the worst thing that could happen if something does go wrong?

### **ANALYZE** how to reduce the risk!

Do I have all the necessary Training and Knowledge to do this job properly?  
Do I have all the proper Tools and Personal Protective Equipment?

### **ACT** to ensure loss-free operations!

Take necessary Action to ensure the job is done properly!  
Follow written procedures! Ask for assistance, if needed!

**DO NOT PROCEED UNLESS ALL RISKS HAVE BEEN ADDRESSED!**

**For Everyone • Every Day • All the Time**